UNIVERSITY OF MYSORE

AMENDMENT No. 5

(Volume I of the Calendar for 1947-48)

Notification No. Ex. 5-528/47-48, *dated 9th August* 1948.

Revised Scheme of Examination for the B.Sc. (Agri.) Degree notified in the Amendment No. 2. (No. Ex. 5-477/46-47, dated 6th August 1949).

For the existing schemes of examination, *Substitute* the following :—

	First Year	*Theory*		*Practical*	
		Hours	Marks	Hours	Marks
1	Agriculture	3	60	3	40
2	Botany	3	60	3	40
3	Chemistry	3	60	3	40
4	Zoology	3	60	3	40
	Second Year				
1	Agricultural Plant Husbandry I. ...	3	100	3	50
2	Agricultural Plant Husbandry II. ...	3	100	3	50
3	Agricultural Engineering (Civil and Mechanical) 2 parts. ...	3	100	3	50
4	Entomology	3	60	3	40
5	Animal Hygiene ...	3	100	3	50
	Third Year				
1	Agricultural Economics and Farm Management.	3	100	3	50
2	Animal Husbandry and Dairying. ...	3	100	3	50
3	Agricultural Botany I ...	3	100	3	50
	Do II ... (Crop Botany and Mycology).	3	100	3	50
4	Agricultural Chemistry I ...	3	100	3	50
5	Do II ...	3	100	3	50

(*Letter No. E.* 168, *dated 9th July* 1948, *from the Education Secretary to the Government of Mysore.*)

646

AMENDMENT No. 15.

(*Volume I of the Calendar for* 1947—48).

Notification No. Ex. 5—510/47-48, dated 10th August 1948.

Revised Syllabus in Chemistry and Physics for the First Year B.Sc. (Textiles) Class [Notified in the Amendment No. 1, Notification No. Ex. 5-474/46-47, dated 6th August 1948.]

For the existing Syllabus, *substitute* the following :—

Syllabus for the First Year B.Sc. (Textiles) Class in Chemistry.

Physical Chemistry.—Elementary kinetic theory of gases; the ideal gas laws; Avogadro's Hypothesis; Graham's laws. Vapour density; Solubility of liquids, distillation of mixtures; freezing mixture. Raoult's law; determination of vapour pressure of solutions; elevation of boiling point; depression of freezing point; osmotic pressure. Association and dissociation in solution. Law of mass action; Evidence for electrolytic dissociation; electrolysis; common ion effect; solubility product; strength of acids and bases. Simple voltaic cell, Half cells; concentration cells; standard electrode potentials; measurement of P.H. Hydrogen quinhydrone and glass electrodes; indicators. Catalysis; heterogeneous catalysis. Photo Chemistry; general theory and experimental technique. Preparation and properties of colloidal solutions. Electrical charge in relation to the stability of colloids, Emulsions. Wetting, Wetting Agents and detergents. Technology of water (physico-chemical aspects).

General Chemistry.—A study of the important compounds of alkali metals like carbonates, sulphites, nitrites, Arsenite, hydro-sulphite, etc., Hydrogen peroxide, zone. Reducing and Oxidising agents.

Organic Chemistry.—Elementary organic analysis. Molecular formula. Hydrocarbons; methane, ethane, ethylene, and acetylene, petroleum. Methyl iodide, Ethyl iodide, Chloroform and Iodoform. Coaltar distillation, Benzene, Toluene, Napthalene and anthracene. An elementary knowledge of the organic compounds. Nitrobenzene: Benzene sulphonic acid, Methyl alcohol and Ethyl alcohol. Glycorine, Phenol. Cresols, Benzyl alcohol, Ethyl Either, Ethyl Acetate, Formaldehyde, Acetaldehyde Acetone and Quinone, Anthraquinone. Formic and Acetic acids, Fats, Oils and Waxes. Soaps and sulphonates; Fatty compounds, Benzoic, Salicylic, Gallic and Tannic, Oxalic, Tartaric Citric. Glucose, Fructose, Sucrose, Lactose, Starch and Cellulose, Methylamine, Aniline, Diazotisation. Urea.

Chemistry Practical

General Chemistry.—Qualitative analysis of simpler mixtures; volumetric and gravimetric analysis. Determination of pH. Estimation of hardness of water (temporary and permanent).

Organic Chemistry.—Detection of elements—Reactions of aliphatic, hydrocarbons; alchohols, phenols, aldehydes, ketones, acids, esters sugar amines and amides—estimation of saponification. Diazotisation.

Equivalent weight of benzoic acid estimation of phenol and sugars.

Syllabus for the First Year B.Sc. (Textiles) in Physics

Properties of Matter.—*Delete* Properties of materials, solids Liquids and gases.

Add.—Units and Dimensions. Circular Motion. Rotation of Rigid Bodies. Moment of Inertia. Fly-wheel. Simple Harmonic Motion. Compound Pendulum. Spiral Spring. Elasticity, Stress and Strain. Hook's Law. Young's Modulus by stretching. Impact. Surface Tension. Angle of Contract. Elementary ideas of wetting. Comparison of Viscosities by using a capillary tube Viscometer.

Friction.—Definition and laws of friction. Experimental determination of the co-efficient of friction. Lubrication. Machines: The Differential Wheel and Axle.

Heat.—*Add*—Themostate and Resistance and Phormo-electric Thermometers.

Electricity.—*Add*—Electro-plating.

Light: *Add*—Colour, Interference (Elements).

Polarisation—Idea of quarter-wave plate and crossed Nicols.

Physics Practical

Add—Experimental determination of the Rigidity Modulus by the static and dynamical methods. Experimental determination of the viscosity of liquid (1) by flow through a capillary tube, (2) by the method due to stages.

Delete—Surface tension measurements.

(*Letter No. E.* 170, *dated 7th July* 1948, *from the Education Secretary to the Government of Mysore*).

645

Notification dated 23rd November 1948.

Subject:—B.A., B.Sc. (Pass and Honours Prel.) Examinations of March 1949.

No. Ex. 2-584—48-49.—Candidates who have either failed at the B.A., B.Sc., B.A. Honours Preliminary and B.Sc. Honours Preliminary Examination of *May* 1948 or fail at the B.A., B.Sc., B.A. Honours Preliminary and B.Sc. Honours Preliminary Examinations of October 1948, are hereby informed that the Text-Books in Languages, including Optional Languages (Compulsory English, Compulsory Second Languages, Optional English, Optional Kannada, Optional Sanskrit, Optional Persian, Optional Urdu and Optional Hindi) for the Examinations of *March* 1949, will be the same as those prescribed for *March* 1949 *Examinations*.

643

Notification dated 24—28th November 1948.

No. Ex-2-526—48-49. It is hereby notified that the (i) B.A., (ii) B.Sc., (iii) B.A. Honours Preliminary and (iv) B.Sc. Honours Preliminary Examinations of 1949 will be held during March 1949. The date of commencement of Examinations will be notified in due course.

The examinations will be held at the following centres :—

Examinations	Centre
B.A. Degree :	
(i) English (Compulsory and Optional) ...	Mysore and Bangalore
Second Languages ...	
History ...	
Economics ...	
Philosophy ...	
Sociology ...	
Persian ...	
Mathematics and Science Subjects ...	
(ii) Other Subjects	Mysore
B.Sc. Degree :	
(i) English	Mysore and Bangalore
Second Language	
Economics	
Mathematics and Science Subjects ...	
(ii) Psychology	Mysore
Sociology	
Mathematical Statistics and Mathematical Economics.	
B.A. Honours Preliminary :	
(i) English	Mysore and Bangalore
Second Languages and Minor subjects for English Honours.	
(ii) Minor subjects (rest of the subjects) ...	Mysore
B.Sc. Honours Preliminary :	
(i) English and Second Languages	Mysore and Bangalore
(ii) Minor Subjects for B.Sc. Honours in Statistics.	Mysore
(iii) Minor subjects (rest of the subjects) ...	Mysore and Bangalore

1. Applications for the Examinations should be sent through Heads of the Institutions concerned. *They should not be sent directly to the University Office.* Forms of application can be had from Heads of Institutions from 1st December 1948. *Forms will not be supplied directly to candidates from the University Office.*

2. Candidates, who having failed previously in an Examination *should submit their applications through the Head of the Institution in which they last attended the course.*

3. *The last date for receipt of applications in the Colleges will be Thursday the 23rd December* 1948.

4. The application fee once paid will in no circumstances be *refunded or readjusted.*

5. Particular attention of candidates is invited to the instructions printed on the application forms. *No change in the Centre of Examination will be permitted when once an application is registered.*

The following is the scale of examination fees :—

		Rs.
(i)	B.A. Degree whole (plus Rs. 5 for Science Subjects) ...	40
	Compulsory English	10
	Compulsory Second Language	6
	Optional Subjects (plus Rs 5 for Science Subjects) ...	30
(ii)	B.A. Honours Preliminary whole (plus Rs. 5 for Science Subjects)	20
	English	10
	Second Language	6
	Optional Subjects (Minor) (plus Rs. 5 for a Minor Group including a Science Subject)	10
(i.i)	B.Sc. Degree, whole	50
	Compulsory English	10
	Compulsory Second Language	6
	Optional Subjects	40
(iv)	B.Sc. Honours Preliminary	25
	Compulsory English	10
	Compulsory Second Language	6
	Optional Subjects (Minor)	15

Examination Time-Tables will be published in due course.

655

Notification dated 25th November 1948.

Subject:—First, Second and Third Examinations of 1949 in B. Sc. (Agriculture) Degree.

No. EX-5-559—48-49. It is hereby notified that the First Year Examination in B.Sc. (Agriculture) will be conducted according to the revised scheme of examination and the Second and third Examinations in B.Sc. (Agriculture) according to the old scheme of Examination.

For further particulars the Principal, Agricultural College, Hebbal, Bangalore, may be addressed directly.

658

Dated 25th November 1948.

Notification No. G. 2—9—47-48.

13. THE *Lokasevanirata* AMBLE ANNIAH PANDIT SCHOLARSHIP.

[Amended Conditions].

Founder:—*Lokasevanirata* Sri Amble Anniah Pandit (deceased).

Object:—For the encouragement of the study of Indian Philosophy by Brahmins.

Date:—1917.

Original Amount.—Rs. 4,000.

Subsequent additions to corpus:—Rs. 410.

Conditions of Grant:—1. The interest to be awarded as a scholarship for a year to a Brahmin student taking up Indian Philosophy, in the M.A. Course in the Maharaja's College.

2. If no such student is available, to be awarded to two Brahmin students, one in the Junior B.A. Class and the other in the Senior B.A. Class who have taken Philosophy Group 'B' or to two students of and of the Honours Classes who have taken Indian Philosophy as one of the major subjects.

3. If no such candidates are available, the scholarships to be awarded to two Brahmin students, one in the Junior B.A. and one in the Senior B.A. Class of the College taking up the Sanskrit as an optional subject.

4. Each scholarship to be tenable for one year, subject, however, to transfer on the result of the annual examination, but it may be continued for another year if proper progress is shown.

5. The scholarships to be paid in two equal instalments to the best students of the year.

6. It shall be lawful for the Senate of the University, from time to time, with the consent, during the life-time of the founder, to make new regulations with respect to the scholarships, provided that they are not diverted to any other purpose than the encouragement of the study of Indian Philosophy by Brahmins.

7. If in any year the scholarships are not awarded, the interest shall be added to the corpus of the endowment fund.

647 D. S. GORDON, *Registrar.*

DEPARTMENT OF PUBLIC INSTRUCTION

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION IN MYSORE, BANGALORE.

Circular dated 22nd November 1948.

(FINANCIAL BRANCH).

To

All the Amildars and Taluk Treasury Officers.

Subject:—Disbursement of Pay to Primary School Teachers.

Dear Sir,

No. F. B. 6—48-49. Reference is invited to Comptroller's Circular No. 191—T.A.D B-II, dated 22nd October 1945, published on Page 694 of the *Mysore Gazette*, dated 1st November 1945 and Page 702, dated 8th November 1945 (III-2) regarding the procedure to be adopted for the disbursement of pay to Primary School Teachers (copy enclosed for ready reference).

2. According to para 3 of the above Circular, the Inspectors of Schools have to send the pay bills of Primary School Teachers to the Treasury not later than the second of every month and the Amildars should cash these bills and arrange for the disbursement of pay to teachers on the fifth of every month (or on the next working day if that day happens to be a holiday), the Money Orders for Teachers of schools situated at a distance of five miles or more being sent on the same day.

3. Complaints have been received that the due date, prescribed for the disbursement of pay and remittance by Money Order, is not being adhered to and that in many cases the teachers have been receiving their pay long after the fifth of the month. To avoid hardship and inconvenience to the teachers, I request you to kindly see that the prescribed date for the disbursement of pay and remittances by Money Order is strictly adhered to.

4. The Inspectors of Schools have again been instructed to see that the bills are sent to the Treasury not later than the second of every month.

Yours faithfully,

8456 R. KASTURI RAJ CHETTY, *Director.*

Copy of Circular No. 191—T. A. D. B-11, dated 22nd October 1945, from the Comptroller to all the Amildars and Taluk Treasury Officers.

Subject:—Alteration in the date fixed for the disbursement of Pay to Primary School Teachers.

According to the existing procedure, the Amildars who are the Disbursing Officers should cash the bills for pay, grants and T. A. of all employees in Primary Schools at the Treasury and arrange to make disbursement to the teachers of schools at a distance of less than five miles from the Treasury not later than the second Saturday in the month (giving them previous intimation of change of date fixed for such payment, if and when necessary) and remit on the day on which the bill is cashed by Money Orders the amounts due to the teachers residing beyond that distance.

2. The Director of Public Instruction states that representations are being received for the disbursement of the pay of the Primary School Teachers much earlier (namely, on the 5th of every month as provided for in G. O. No. 8529-39—Edn. 33-18-3, dated 5th March 1919), owing to the hard conditions of the teachers. As the pay of the teachers of schools situated five miles or more from the Treasury is now remitted by money order the number of persons coming to the Treasury for payment is smaller than heretofore and the Treasury work in respect of personal payments to teachers is thus reduced. Further, as the countersignature of the pay bills of the Primary School Teachers by the Elementary Education Officers has since been dispensed with, the Assistant Inspectors of Education can send the bills much earlier than before, allowing sufficient time for the Treasury to scrutinise them.

3. In the above circumstances, the Amildars are requested to cash the salary bills of Primary School Teachers and arrange for the disbursement of pay to the teachers on the fifth of every month (or on the next working day, if that day happens to be a holiday), the Money Orders for teachers of